Stealth Cam

STC-I550

User's Manual

Toll Free Customer Support 1-877-269-8490

www.stealthcam.net

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For Customer Service or Warranty Information Call Toll Free

877-269-8490

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Stealth Cam Limited Warranty

Your Stealth Cam scouting camera is covered by a 90 days Limited Warranty on parts and labor from the date of original purchase, and purchases must be made through an authorized dealer. The warranty covers defects in workmanship and materials. The warranty does not apply to units, which have been damaged or abused intentionally or unintentionally. A purchase from individuals or unauthorized internet sites voids the warranty.

Tampering with or altering the unit will void the warranty. Any unauthorized service will void warranty. Original sales receipt must be produced for any warranty service and a Return Authorization (RA) number must be obtained from customer service at 877-269-8490 prior to returning product.

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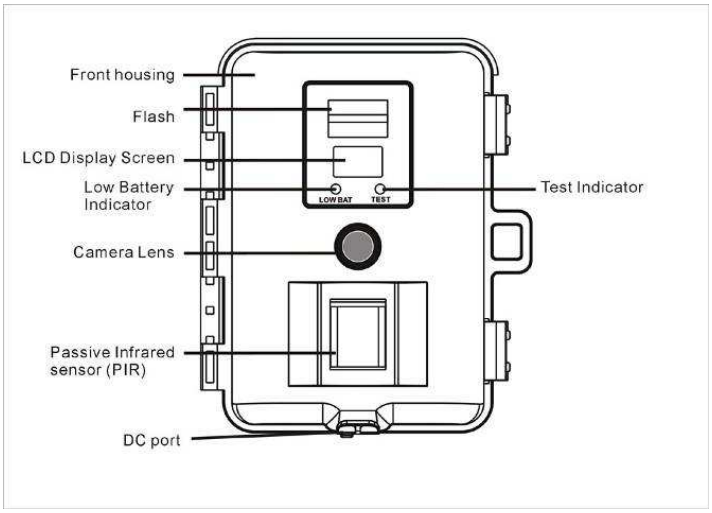
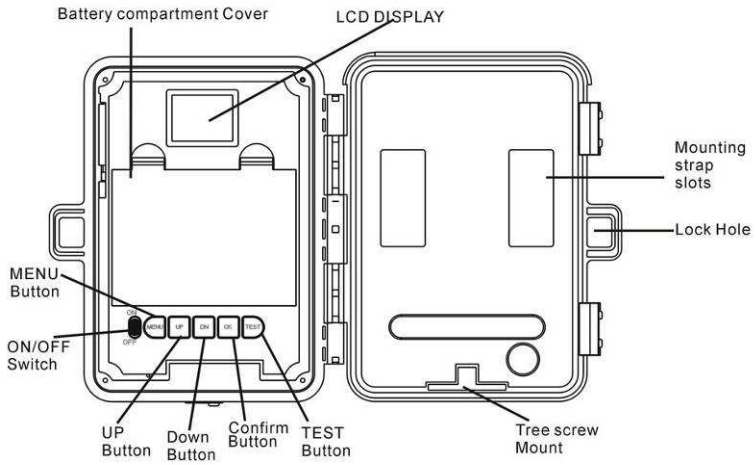
Camera overview

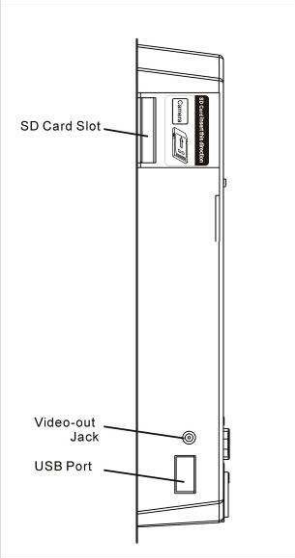
Front housing image with major parts indication.



Open view image with major parts indication



Side view with major parts indication



Picture / Image Capacity

SD card	High	Low	Base	AVI
16MB	13	17	32	8
32MB	26	34	64	16
64MB	52	68	128	32
128MB	104	136	256	64
256MB	208	272	512	128
512MB	416	544	1024	256
1 GB	832	1088	2048	512
2 GB	1664	2176	4096	1024

NOTE: Picture / Image Capacity Chart provides approximate number of images or AVI movies based on resolution setting and the size of memory card. These figures may vary depending on the amount of detail in the image.

Camera kit contents

- Model STC-I550 Digital Scouting Camera
- User Manual.
- USB cable.
- Strap.

Battery & memory installation

> **Warning:** Do not use different Voltage lead acid battery other than the one specified in this section. Doing so will damage the camera and will void the warranty.

The Stealth Cam STC-I550 Advanced Digital Scouting Camera is designed to operate using two different types of battery power options.

NOTE: Always have camera in the OFF position when installing or removing batteries. Removing battery while the camera is in operation may damage the camera.

Batteries "C" cell:

The internal battery compartment accepts 6 x "C" cell batteries. Be sure to use high quality brand name alkaline batteries. Install batteries with correct polarity (+/-) as noted inside the battery compartment.

12V Lead Acid external battery

The STC-I550 is equipped with an external power jack designed to accept a barrel plug cable to attach to a sealed lead acid battery. (sold separately). This will enhance the camera's field life. Battery cable and complete 12V Lead Acid battery kits are available wherever Stealth Cam scouting cameras are sold or call toll free 877-269-8490. Only Stealth Cam external battery accessories are recommended.

- Insert the external battery barrel plug into the DC 12V jack on the bottom of camera housing
- Turn the camera power on.

❖ ***Please make sure the voltage and polarity (+/-) are correct before connection. Incorrect voltage or polarity (+/-) will damage the camera.***

Please note: When both internal and external batteries are connected, the camera will draw power from the higher voltage source first.

Memory Options

Your STC-I550 camera is equipped with 32MB built in flash memory. The camera is also equipped with an expandable media card slot capable of accepting up to 2GB SD card (sold separately). With no memory card inserted into the slot, the camera will use the built in 32MB memory. If an SD card is inserted into the slot then the camera will bypass the built in memory, and utilize the SD memory for image storage. The front counter display will show the number of images on the built in memory unless the expansion card is inserted at which point the counter will only show the number of images in the expansion card.

Inserting SD card

Make sure camera is in the OFF position whenever adding or removing memory.

- Insert SD memory card in to the SD card slot completely and in the correct direction as shown by the sticker located at the side of the housing.
- To remove the SD memory card, depress the SD card and pull out the card gently.

- ***SD cards must be clean (no images from other sources). If you are using the SD card from other cameras, please make sure to format the SD card in your computer using FAT formatting, not FAT32, prior to use in the camera. New cards are good to use straight from the package.***

Definitions

- **Time out:** To set the amount of time in minutes the camera will sleep between PIR triggering.
- **Flash:**
  - Auto – Flash on base on surrounding light conditions.
  - Off – Turn off the flash.
- **Capture mode:**
  - **1P ~ 9P :** 1 to 9 burst mode image capturing per PIR triggering.
  - **Video:** 5 to 90 seconds adjustable video per PIR triggering.
- **Resolution:**
  - **5.0M :** Select this option to capture a 5.0M pixels image. (High image quality)
  - **3M :** Select this option to capture a 3M pixels image. (Low image quality)
  - **1.3M :** Select this option to capture a 1.3M pixels image.

(Base image quality)

- **Video resolution (320 x 240):** This is the resolution during video capturing.

- **Batteries Status:** It shows the battery status.
  - **Full:** It shows the battery is full.
  - **Low:** It shows the battery is low and front Low Battery indicator will also blink.

❖ ***When the camera has detected low batteries, (Batteries are lower then 5.8 +/-0.2Volts) the camera unit will power off within 30 seconds automatically. Please replace with new batteries; otherwise the camera will not work properly.***

- **Day and Time:** Displays the **date and time that you have set** on still image. For AVI it will appear on the last frame. (Using Quick Time Player or Real Player).

- **Moon phase and Temperature:** Displays the moon phase and temperature. For AVI it will appear on the last frame. (Using Quick Time Player or Real Player).

Set up and Programming

When the camera is first turned on the internal LCD screen displays the camera status. The following information is present on this screen.

Flash Mode Control:

The camera is pre-programmed with Auto Flash setting.

- Switch the camera to ON position.
- To turn off the flash mode, press the [UP] button once within 30 seconds. icon will appear on the top of the screen.
- To turn on the flash mode back to Auto setting, press the [UP] button the second time. icon will appear on the top of the screen.

If no buttons are pressed after 30 seconds, the LCD screen will power down to conserve battery life and enter 1 minute count down to enter PIR detection mode. To re-power the display

screen, press and hold the UP or DOWN button until the status screen appears.

Programming the Stealth Cam STC-I550

Switch the camera to the ON position. LCD screen will display the camera status screen. Press the MENU button within 30 seconds to enter programming mode.

If MENU button is not pressed within 30 seconds, camera will automatically enter PIR detection mode.

Set the Resolution: The first program setting is resolution. The word RESOLUTION will be blinking

- Press [OK] button to choose the selection
- Press the [UP] or [DN] button to select the desired resolution (HIGH/LOW/BASE) and press [OK] to save and exit to CAPTURING setting

Set the Capturing sequence. ***The Stealth Cam STC-I550 can be programmed to shoot 1~9 pictures per triggering or 5~90 seconds of video.***

- This word CAMERA will be blinking
- Press [OK] button to choose picture mode then press the [UP] or [DN] button to select the desired capture setting (number of pictures per triggering).
- Press [OK] to confirm your selection.
- If you want to choose video mode, when the word CAMERA is blinking, press [UP] to choose video mode. Now the word VIDEO will be blinking. Press [OK] to confirm your selection.
- Press [UP] or [DN] button to select the desired video length (from 5 seconds to 90 seconds in 5 seconds increment)
- Press [OK] to save and exit to TIME OUT setting.

Set the Time out:

- The word TIME OUT will be blinking
- Press [OK] button to choose the selection. The digit will now be blinking ready for change.

- Press [UP] or [DN] button to increase or decrease the time value in minutes from 01 to 59 minutes.
- Press [OK] to save the setting and exit to Date & Time setting.

Set Date and Time: This camera uses the 24hr military time format.

- The DATE will be blinking. Press [OK] one more time to enter time setting first.
- Minute digit will be blinking. Press [UP] or [DN] to increase or decrease the minute value (0 – 59)
- Press [OK] to confirm the minute setting and enter hours setting.
- Hour digit will be blinking. Press [UP] or [DN] to increase or decrease the hour value (00 – 23)
- Press [OK] to confirm the hour setting and enter month setting.
- Month digit will be blinking. Press [UP] or [DN] to increase or decrease the month value. (1 - 12)

- Press [OK] to confirm the month setting and enter date setting.
- Date digit will be blinking. Press [UP] or [DN] to increase or decrease the date value. (01 – 31)
- Press [OK] to confirm the date setting and enter year setting.
- Year digit will be blinking. Press [UP] or [DN] to increase or decrease the year value. Once this is done, press [OK]. You'll see the word {dEL} blink. Now press [MENU] to exit program setting and back to status screen.

At the end of each program set up selection, you may press [MENU] to exit and return to camera status ready screen for the 1 minute count down mode to enter PIR capturing.

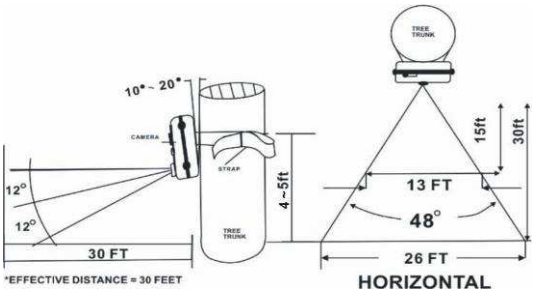
Using the camera

Once all program setting has been completed your Stealth Cam is ready for field use.

Getting started

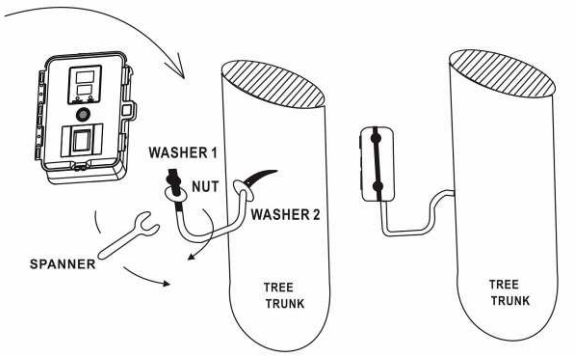
It is recommended that you mount the camera 4-5 ft off the ground with the camera pointed at a slight downward angle. Be sure to avoid mounting the camera facing east or west as the rising and setting of the sun could produce false triggers and overexposed images. Clear all branches and other debris away from the front of the camera so as not to block the camera lens or PIR sensor.

PIR Coverage Area Diagram



Mounting the camera

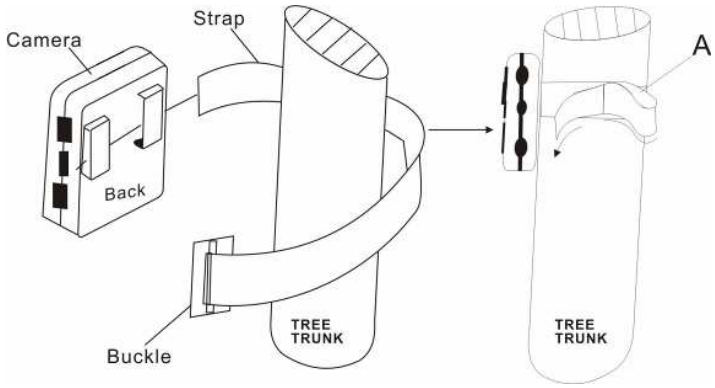
Mounting the camera with Tree Screw (Optional Accessory sold separately)



- Hand twists the screw into the tree or post at the desired position.
- Attached the camera to the screw by turning the camera onto the mounting screw to the desired position.
- Tighten the stabilizer nut.

- ***Do not over tighten as this may cause damage to camera housing. Using the nut and washer that came with the tree screw, tighten to the bottom of camera for greater stability.***

Mounting the camera with the supplied strap



- Insert the strap through the strap slots on the rear housing.
- Wrap the strap around the mounting surface. Secure the strap and tighten the buckle in order to secure the camera.

Stealth Cam offers a Security Lock Bracket for uses exclusively with this camera. For the latest Stealthcam accessories go to:

www.stealthcam.net or call toll free 877-269-8490

- ***In order to obtain proper weather resistance, please make sure that both door latches are securely locked in place.***

Testing the camera coverage area

One of Stealth Cam's many features is the ability to test the coverage area.

- After mounting the camera, open front housing and slide the power to ON.
- After the font LCD screen has powered on, press the [TEST] button (this must be done with in 30 seconds or the camera will enter count down mode).
- Close the front housing.
- Walk around in the front of the camera to see if you have mounted the camera in the proper position. A green indicator LED light on the front will blink when you have intruded the

coverage area.

- Adjust the camera position as needed, and repeat testing until the desired coverage area is achieved.
- When you have completed testing the coverage area, there are 2 methods to exit the test mode:
  a. Open the front housing and press the [TEST] button to exit test mode. The camera will then enter count down mode for 1 minute, and the front green indicator will start blinking, giving you 1 minute to leave the coverage area. The camera will then enter PIR detection mode.
  b. As a safety precaution, the camera will automatically enter 1 minute count down after it has been left sitting idle in test mode for more than 5 minutes. Camera will then enter PIR detection mode.

Using the camera in PIR detection mode:

- Mount the camera to tree or other sturdy object using either a tree screw (optional accessory) or supplied mounting strap (You may refer to the mounting suggestions section in this manual)

- Open the front housing and move the switch to the ON position. At this point, you have 30 seconds to make any program adjustments.
- After 30 seconds the camera's green LED light will begin blinking and enter count down mode. This is your indication to leave the coverage area within one minute.
- After one minute, the camera will enter either image burst mode or adjustable video mode based on your program setting. The camera will then time out between 1 ~ 59 minutes, depending on your setting.

❖ *The time between motion detection and the camera taking the pictures may vary due to lighting conditions, charging of the flash, program settings, and battery power level.*

❖ *The flash light will only activate in low light conditions.*

❖ *When the camera is set to AVI capturing, the camera cannot use the flash feature. The quality of the video clip will turn out well in good daytime lighting conditions. If the surrounding light conditions are not enough, your unit will switch the AVI setting to a single image capturing automatically.*

Viewing and deleting the images

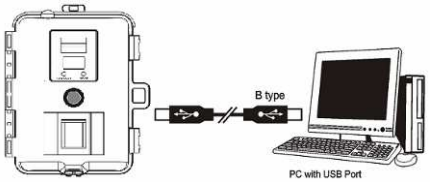
The STC-I550 cam offers the user different options for viewing the images. The external LCD display on the front of the housing will show the number of images in memory.

To wake the camera from PIR detection mode, press and hold either the [UP] or [DN] button for about 5 seconds.

The instructions below are based on starting from a camera that is turned off.

Viewing images by computer download:

The Stealth Cam STC-I550 Digital Scouting Camera is a plug and play USB storage device. This means users of Windows 2000 / ME / XP and Vista operating systems, need not install the camera driver. This camera is not MAC compatible. If you are using Windows 98SE operating system, you can download the driver from the Stealthcam website.



Viewing the images on your computer.

- Slide the power switch to OFF location.
- To view the images simply plug one end of the USB cable into an available USB port on your computer.
- Plug the other end of USB cable into the camera. The camera will automatically power ON and display the word {USb} on the LCD screen.
- At the same time, your computer will recognize the camera as a mass storage device and will be found under MY COMPUTER.

Viewing the image on a handheld LCD TV video monitor, or your home TV equipped with an RCA input jack (cables sold separately)

For viewing on handheld LCD TV, attach the appropriate cable to the video OUT jack on the camera. Insert the other end into the video IN jack on handheld LCD TV monitor.

For viewing on home TV, attach the appropriate cable to the video

OUT jack on the camera. Insert the other end into the RCA video IN jack on the TV. Make **sure to switch to VIDEO IN mode on your TV. (See your TV owner's manual for directions)**

Turn on both the camera and TV monitor.

- Your camera is preset to NTSC TV out system by default. If the handheld TV screen does not flicker, then you do not need to set your TV out system. If the handheld TV screen flicker, then you will need to proceed to the next step to set up your TV out to PAL system.
- Press the [MENU] button once. This will bring up the word {dEL} on the camera's internal LCD screen.
- When you see the word {dEL} blinking, press [UP] button to enter TV out setting mode.
- The word {tu} will be blinking. Press [OK]. The display {tu – n} will be blinking.

- Press [DN] button to select TV out in PAL System (which is use in most European and Asian countries). The word {tu – P} will be blinking.

- Press [OK] to confirm setting.
- Press [MENU] to exit and continue with your image viewing.
- Press [OK] to bring up the thumbnail images. At this point you may use the [UP] or [DN] button to navigate though your thumbnail images.
- On the upper left hand corner of your TV monitor, it will display the word JPG or AVI to indicate whether that thumbnail is still image or video clip.
- To view image in full screen, press [OK] button. Press [OK] button again will return to the thumbnail view from the full size image.

View AVI Clip on hand held TV monitor or home TV

- Follow the cable attaching instruction listed in previous section.
- Monitor will display a thumbnail image in the memory.
- Press [UP] or [DN] button to choose the AVI clip that you would like to see.

- Press the [OK] button to play back the AVI motion clip.
- To return to thumbnail image selection view, press [OK] button at the end of the AVI clip.

Deleting images

At any time while viewing images on Handheld TV or Home TV you may delete images one at a time or all at once.

- While viewing images either in thumbnail view or full screen press [MENU] once will enter delete mode. The word {dEL} will be blinking.
  - ❖ ***Please note you can not enter delete mode while the video clip is playing. You must wait until the end of the video clip or while it is in thumbnail view.***
- Press [OK] button to enter the DELETE & FORMAT menu.
- Using the [UP] and [DN] buttons to select the desired function. No Delete (NO-dL), Delete one (d-ONE), Delete ALL (d-ALL), or FORMAT.

- Press [OK] to confirm your selection.
- To return to thumbnail view, you must press [DN] button and scroll through the option until you see No Delete (NO-dL), press [OK] and then press [MENU]. This will return back to either thumbnail view the full screen image that you were viewing.
- If you choose to delete one picture at a time, (d-ONE), it will delete the picture that you selected on the thumbnail view or the image that is on full screen.
- If you choose to delete all images (d-ALL), it will delete all images. Once images are deleted from the memory, you will return to status screen.
- If you choose to format your memory, it will erase all images. This feature is particularly useful if you don't want to look

through the images one at a time. Once this is done press [DN] button and scroll through the options until you see No Delete (NO-dL), press [OK] and then press [MENU]. This will return to status screen.

SD Memory Card Compatibility Chart

The following cards have been tested and approved for use in the STC-I550 model.

PQI	32MB, 64MB, 128MB, 256MB, 512MB
San Disk	32MB, 64MB, 128MB, 512MB, 1GB, 2GB
Panasonic	32MB, 64MB, 256MB, 512MB
Toshiba	32MB, 64MB, 128MB, 256MB, 512MB
King Mate	32MB, 64MB, 128MB, 256MB, 512MB
Lexar	32MB, 512MB
Kingston	128MB, 256MB, 512MB
Kodak	128MB, 256MB, 512MB
Dan-Elec	128MB, 256MB, 512MB
PNY	128MB, 256MB, 512MB, 2GB
First Champion	1GB

Proper camera operation cannot be guaranteed when using memory card **NOT** listed above.

Technical Specifications

System Requirements and Compatibility

- Windows 98/98se/2000/Me/XP/Vista
- P 450MHz or equivalent processor.
- 128MB SDRAM or above.
- VGA Video Card with 32MB RAM for minimum, Color 16 bit or higher.

❖ ***If you have any questions regarding your PC specifications please call your PC manufacturer.***

Camera Features and Specification.

- Image sensor: 1.3 mega-pixels RGB color.
- Built in 2.0” B&W LCD display.
- Built in 32M flash memories for image storage.
- External memory support: SD memory card up to 2 GB.
- Resolution Options: 5.0M, 3M, 1.3M
- 3 Capturing Options: Single, Continuous, AVI.
- Image performance for video stream: 10fps in 320 x 240 pixels, approx 10 seconds per section.
- Auto white balance and auto expose.
- Flash light strobe Auto & Off control.
- Real time clock for date and time stamping.
- 4 digits LCD Image counter.
- Battery low LED indicator.
- Green Test LED indicator

- TV out support for NTSC and PAL system.
- Focusing: 5 ft to Infinity
- High precision 4 P glass lens with IR coating
- Effective viewing Angle: 49 deg
- PIR detection angle 48 deg
- Low power consumption:

  Standby current: < 1mA.

  Capture current <150mA
- Interface type: USB 1.1.
- Power: C size alkaline Batteries x 6
- External power: 12 volts battery pack
- Image format: Standard JPEG or Motion JPEG (AVI)

General Information

Storing conditions

- Store in cool and dry location when it's not in use.
- Operating Environment: 14 to 104 deg F (-10 to 40 deg C). 20-85% relative humidity, non-condensing.

Special care instructions!!

- The camera is designed to be weather resistant. Never attempt to immerse the unit in water or any other liquid. This will damage the unit and void the warranty.
- Use a soft lens cloth for cleaning lens. Avoid touching lens with fingers.
- Remove dirt or stains with a soft cloth dampened with water or neutral detergent. Keep the STC-I550 cam in a dry and cool dust-free environment or container when it is NOT used.
- Take the batteries out, when the STC-I550 cam is NOT to be used over a long period.
- Avoid dropping the STC-I550 cam on to hard ground. Do not

disassemble the STC-I550 cam.

- Do not mix new and old batteries.
- Do not open the camera for unauthorized service. This could cause serious damage to the unit and will void the warranty.

This camera is a precision electronic device. Do not attempt to service this camera yourself, as opening or removing covers, may expose you to dangerous voltage points or other risks.

May be protected by one or more U.S. Patent numbers:

6,735,387

6,768,868

6,834,162

7,149,422

7,308,196

Moon Phase Symbol Chart

Symbol	Lunation from to		Actual phase
	1	5	
	6	10	
	11	14	
	15	16	
	17	20	
	21	25	
	26	29 or 30	

Product specifications are subject to change. Stealthcam is not responsible for any photographic or typographical errors.